

CRF Errors Corrected by the STIC Systems Branch

C/E 11
4/15/2003

Serial Number:

10/017,67213

CRF Processing Date:

Edited by:

Verified by:

(STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☒ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: 17
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

The above corrections must be communicated to the applicant in the first Office Action.



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,672B

DATE: 04/15/2003

TIME: 11:48:13

Input Seq : A:\PTO.AMC.txt

Output Seq : N:\CRF4\04152003\J017672B.raw

1 <110> APPLICANT: Nishikawa, Kiyotaka

2 Lai, Hung-sen

3 Songyang, Zhou

4 Yaffe, Michael B.

5 Cantley, Lewis C.

6 <120> TITLE OF INVENTION: Binding Compounds and Methods for Identifying Binding Compounds

7 <130> FILE REFERENCE: C01123/70001 (REV)

8 <140> CURRENT APPLICATION NUMBER: US 10/017,672B

9 <141> CURRENT FILING DATE: 2001-12-14

10 <150> PRIOR APPLICATION NUMBER: US 60/255,586

11 <151> PRIOR FILING DATE: 2000-12-14

12 <160> NUMBER OF SEQ ID NOS: 23

13 <170> SOFTWARE: PatentIn version 3.1

14 <210> SEQ ID NO: 1

15 <211> LENGTH: 15

16 <212> TYPE: PRT

17 <213> ORGANISM: Artificial Sequence

18 <220> FEATURE:

19 <223> OTHER INFORMATION: Synthetic Peptide

20 <220> FEATURE:

21 <221> NAME/KEY: MISC_FEATURE

22 <222> LOCATION: (3)..(6)

23 <223> OTHER INFORMATION: Xaa = any amino acid except Trp, Cys or Tyr

24 <220> FEATURE:

25 <221> NAME/KEY: MISC_FEATURE

26 <222> LOCATION: (3)..(6)

27 <223> OTHER INFORMATION: Xaa = any amino acid except Trp, Cys or Tyr

28 <220> FEATURE:

W--> 43 Met Ala Xaa Xaa Xaa Xaa Tyr Xaa Xaa Xaa Xaa Ala Lys Lys Lys

29 <220> FEATURE:

30 <221> NAME/KEY: MISC_FEATURE

31 <222> LOCATION: (3)..(6)

32 <223> OTHER INFORMATION: Xaa = any amino acid except Trp, Cys or Tyr

33 <220> FEATURE:

34 <221> NAME/KEY: MISC_FEATURE

35 <222> LOCATION: (3)..(6)

36 <223> OTHER INFORMATION: Xaa = any amino acid except Trp, Cys or Tyr

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,672B

DATE: 4/11/2001

TIME: 11:41:15

Input File: A:\PTO.AMC.txt

Output File: N:\CRF4\04152003\J017672B.raw

```

65 <210> OTHER INFORMATION: Xaa = Leu, Ile, Iys or Val
66 <210> FEATURE:
67 <211> NAME/KEY: MISC_FEATURE
68 <212> LOCATION: (3)..(3)
69 <213> OTHER INFORMATION: Xaa = Ile or Leu
70 <210> FEATURE:
71 <211> NAME/KEY: MISC_FEATURE
72 <212> LOCATION: (4)..(4)
73 <223> OTHER INFORMATION: Xaa = Leu, Ile or Thr
74 <210> FEATURE:
75 <221> NAME/KEY: MISC_FEATURE
76 <222> LOCATION: (6)..(6)
77 <223> OTHER INFORMATION: Xaa = Leu, Ile, Thr or Val
80 <220> FEATURE:
81 <221> NAME/KEY: MISC_FEATURE
82 <222> LOCATION: (7)..(7)
83 <223> OTHER INFORMATION: Xaa = Leu, Thr or Ile
85 <220> FEATURE:
86 <221> NAME/KEY: MISC_FEATURE
87 <222> LOCATION: (8)..(8)
88 <223> OTHER INFORMATION: Xaa = Leu, Thr, Ile or Gln
90 <220> FEATURE:
91 <221> NAME/KEY: MISC_FEATURE
92 <222> LOCATION: (9)..(9)
93 <223> OTHER INFORMATION: Xaa = Leu, Thr, Ile or Gln
95 <400> SEQUENCE: 2

```

W--> 97 Xaa Xaa Xaa Xaa Tyr Xaa Xaa Xaa Xaa

```

98 1 5
100 <210> SEQ ID NO: 3
101 <211> LENGTH: 9
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Synthetic Peptide
108 <400> SEQUENCE: 3
109 Ala Ala Ala Ala Tyr Ile Ile Ile
110 1
114 <210> SEQ ID NO: 4
115 <211> LENGTH: 4
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Synthetic Peptide
121 <400> SEQUENCE: 4
122 Iys Ile Ile Ile Tyr Ile Ile Ile
123 1
124 <210> SEQ ID NO: 5

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,672B

DATE: 4/11/2010

TIME: 11:44:11

Input File : A:\PTO.AMC.txt

Output File : N:\CRF4\04152003\J017672B.raw

```

141 <210> ORGANISM: Artificial Sequence
142 <211> FEATURE:
143 <212> OTHER INFORMATION: Synthetic Peptide
144 <400> SEQUENCE: 5
145 Gly His His His Tyr His His His His Ala Lys Lys Lys
146 1 5
147 <210> SEQ ID NO: 6
148 <211> LENGTH: 13
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
151 <211> FEATURE:
152 <220> OTHER INFORMATION: Synthetic Peptide
153 <400> SEQUENCE: 6
154 Lys Leu Ile Leu Tyr Leu Leu Leu Leu Ala Lys Lys Lys
155 1 10
156 <210> SEQ ID NO: 7
157 <211> LENGTH: 4
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
160 <211> FEATURE:
161 <220> OTHER INFORMATION: Synthetic Peptide
162 <400> SEQUENCE: 7
163 Ala Lys Lys Lys
164 1
165 <210> SEQ ID NO: 8
166 <211> LENGTH: 13
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
169 <211> FEATURE:
170 <220> OTHER INFORMATION: Synthetic Peptide
171 <400> SEQUENCE: 8
172 Glu Leu Ile Leu Tyr Leu Leu Leu Leu Ala Lys Lys Lys
173 1 10
174 <210> SEQ ID NO: 9
175 <211> LENGTH: 9
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
178 <211> FEATURE:
179 <220> OTHER INFORMATION: Synthetic Peptide
180 <400> SEQUENCE: 9
181 Lys His His His His His His His His
182 1 9
183 <210> SEQ ID NO: 10
184 <211> LENGTH: 9
185 <212> TYPE: PRT
186 <213> ORGANISM: Artificial Sequence
187 <211> FEATURE:
188 <220> OTHER INFORMATION: Synthetic Peptide
189 <400> SEQUENCE: 10
190 Lys His His His His His His His His
191 1 9
192 <210> SEQ ID NO: 11
193 <211> LENGTH: 9
194 <212> TYPE: PRT
195 <213> ORGANISM: Artificial Sequence
196 <211> FEATURE:

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,672B

DATE: 4 Dec 2003

TIME: 11:44:13

Input File : A:\PTO.AMC.txt

Output File : N:\CRF4\04152003\J017672B.raw

```

101 <10> SEQ ID NO: 1
102 <11> LENGTH: 10
103 <12> TYPE: PRF
104 <13> ORGANISM: Artificial Sequence
105 <20> FEATURE:
106 <223> OTHER INFORMATION: Synthetic Peptide
107 <400> SEQUENCE: 11
108 Arg Gln Ile Lys Ile Thr Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
109 1 5 10 15
110 <210> SEQ ID NO: 12
111 <211> LENGTH: 25
112 <212> TYPE: PRF
113 <213> ORGANISM: Artificial Sequence
114 <20> FEATURE:
115 <223> OTHER INFORMATION: Synthetic Peptide
116 <400> SEQUENCE: 12
117 Arg Gln Ile Lys Ile Thr Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
118 1 5 10 15
119 Lys Leu Ile Leu Phe Leu Leu Leu Leu
120 20 25
121 <210> SEQ ID NO: 13
122 <211> LENGTH: 21
123 <212> TYPE: PRF
124 <213> ORGANISM: Artificial Sequence
125 <20> FEATURE:
126 <223> OTHER INFORMATION: Synthetic Peptide
127 <220> FEATURE:
128 <221> NAME/KEY: MISC FEATURE
129 <222> LOCATION: (1)..(1)
130 <223> OTHER INFORMATION: Xaa = any amino acid except the non-degenerate
phosphorylatable amino
131 acid selected from the group consisting of Tyr, Ser and Thr
132 <220> FEATURE:
133 <221> NAME/KEY: MISC FEATURE
134 <222> LOCATION: (1)..(1)
135 <223> OTHER INFORMATION: Xaa = any amino acid except the non-degenerate
phosphorylatable amino
136 acid selected from the group consisting of Tyr, Ser and Thr
137 <220> FEATURE:
138 <221> NAME/KEY: MISC FEATURE
139 <222> LOCATION: (1)..(1)
140 <223> OTHER INFORMATION: Xaa is absent or present
141 <220> FEATURE:
142 <221> NAME/KEY: MISC FEATURE
143 <222> LOCATION: (1)..(1)

```


APPENDIX NAME KEY: MINOR FEATURE

RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/10/017,672B

DATE: 04/23/2010
 TIME: 12:44:14

Input File : A:\PTO.AMC.txt
 Output File : N:\CRF4\04152003\J017672B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 3,4,5,6,7,8,9,10,11
 Seq#:1; Xaa Pos. 1,2,3,4,5,6,7,8,9
 Seq#:13; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
 Seq#:14; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
 Seq#:15; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
 Seq#:16; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
 Seq#:17; Xaa Pos. 1,2,3,4,6,7,8,9
 Seq#:18; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
 Seq#:19; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
 Seq#:20; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
 Seq#:21; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
 Seq#:22; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
 Seq#:23; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:13; Line(s) 359

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/017,672B

DATE: 14-01-2011

TIME: 11:14:14

Input File : A:\PTO.AMC.txt

Output File: N:\CRF4\04152003\J017672B.raw

L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
 L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
 L:470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
 M:341 Repeated in SeqNo=12
 L:616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
 M:341 Repeated in SeqNo=14
 L:853 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
 M:341 Repeated in SeqNo=15
 L:1091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
 M:341 Repeated in SeqNo=16
 L:1118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
 L:1323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
 M:341 Repeated in SeqNo=18
 L:1531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
 M:341 Repeated in SeqNo=19
 L:1739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
 M:341 Repeated in SeqNo=20
 L:1947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
 M:341 Repeated in SeqNo=21
 L:2155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
 M:341 Repeated in SeqNo=22
 L:2363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
 M:341 Repeated in SeqNo=23